Jump, Christine

From: Jump, Christine
Sent: Monday, May 12, 2014 2:54 PM
To: SMITH, MARTIN L; Michael Stephenson
Cc: Akhter Hossain; John Cook; Jacobs, Ann
Subject: dalapon

Marty and Mike,

KDHE calculated a soil-to-groundwater value for Dalapon (CAS 75-99-0) using Equation 7 from the RSK Manual and the following chemical-specific parameters, taken from EPA sources:

Koc – 3.231 L/kg
H' – 2.314 E-06

The result is a **Dalapon soil-to-groundwater value of 0.929 mg/kg**. Because this is calculated from the Dalapon MCL of 0.2 mg/L, the value applies to both the residential and non-residential scenarios.

For comparison, the EPA RSL table shows a value of 0.041 mg/kg. EPA uses different default values for the DAF (dilution-attenuation factor) and the foc (fraction of organic carbon in soil).

I believe all of the detections on the Clean Harbors Wichita facility are below this RSK value, but you should confirm this.

Please note, due to the J-coded dalapon detections in the soil, EPA will require a future groundwater sampling event to include analysis of dalapon.

Please let me know if you have any questions.

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